Alrick.

2300 Tilt Care Bed Instruction Manual

Product Code: 7-23T

Please carefully read instructions before using the bed.

INTRODUCTION

This instruction manual contains information on the instructions for use and explanations of the signs and symbols used. These instructions for use contain instructions for operating the medical care bed.

These instructions for use may contain inaccuracies or printing errors. The information provided here will be updated periodically and changes due to product maintenance will be included in later editions. Changes or improvements are possible at any time without prior notice.
If you have any questions, please contact our customer service team.

The instructions for use must be read and used by every person who operates the medical bed.

PURPOSE

The intended purpose of the Alrick 2300 Tilt Care Bed is to be used for patients in hospital and healthcare facilities. These beds are electrically powered to allow the bed to be placed in various positions suitable to the patient. It is a medical device intended for human medical use only. The Alrick 2300 Tilt Care Bed moves on castors and features infinitely adjustable motorised height settings. The bedding area can be adjusted by multiple motors, allowing for positions such as sitting or exiting position.

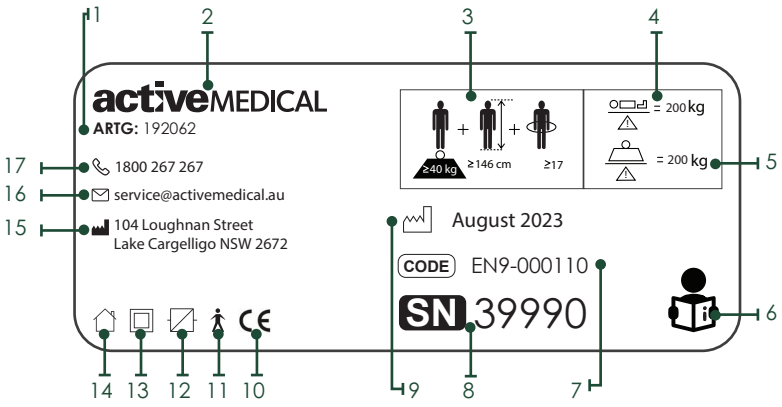
The intended user of the Alrick 2300 Tilt Care Bed is any bariatric (but not limited to) individual who has a disability or a health condition.

The bed should only be used by individuals trained or experienced in proper handling. Users must be instructed on its correct use and familiarize themselves with these instructions. Common users include nursing staff, physicians, therapists, family members, technicians, residents, and cleaning staff.

SYMBOLS EXPLAINED

	Manufacturer
	For Indoor Use (house)
	Type B Application Part (classification according to the degree of protection against electric shock)
	Product with a Thermofuse
	Safety Isolating Transformer
	Device Protection Class II (classification according to the type protection against electric shock)
	Demko Approval

PRODUCT SERIAL NUMBER PLATE

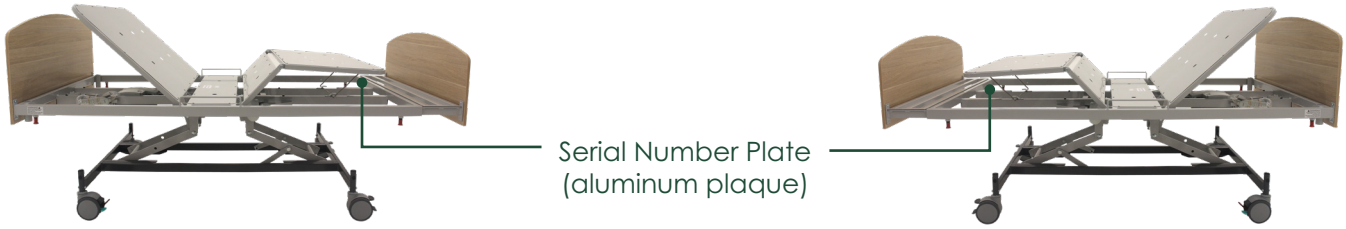


Serial Number Plate

SERIAL NUMBER PLATE EXPLAINED

1	ARTG Number
2	Company Logo
3	Adult Identification (minimum weight, minimum height, minimum BMI)
4	Maximum Occupant Weight
5	Maximum Safe Working Load
6	Read Instruction Manual - Follow Instructions For Use
7	Product Code
8	Product Serial Number
9	Manufacture Date
10	CE Marking
11	Type B Application Part (classification according to the degree of protection against electric shock)
12	Switching Power Supply Unit
13	Device Protection Class II (classification according to the type protection against electric shock)
14	For Indoor Use Only
15	Manufacturer Address
16	Company Service Email Address
17	Company Phone Number

OLD POSITIONING OF SERIAL NUMBER PLATE (2023 AND EARLIER MODELS)



Serial Number Plate
(aluminum plaque)

PRE OPERATION CHECK

With the bed in position, check the following:

Electric beds should ONLY be used where earth leakage is fitted to the power source.

- Check power cord is plugged into 240V supply and is active.
- Check power cord is clear of castors and any moving part of bed.
- Ensure power cord has enough slack so cord is not strained when the bed is raised and lowered.
- Position bed at least 50mm from the wall in the lowest position. Lock castors. This position is critical for not damaging the wall when raising the bed.
- Before using bed, perform all functions to ensure they are working properly. If not please call your service technician or call the Active Medical Technician Team on 1800 282 001

** When fitting safety sides to this bed, please beware of the possible crushing points. The clamps can create crushing points on the rails. **

2300 TILT CARE - MODELS AVAILABLE

2300 Tilt Single (920 mm)
2300 Tilt King Single (1090 mm)
2300 Tilt Extra Wide (1220 mm)
2300 Tilt Double (1370 mm)
2300 Tilt Queen Double (1520 mm)
2300 Tilt King Double (1820 mm)

SPECIFICATIONS

	Single	King Single	Extra Wide	Double	Queen Double	King Double
Height Range (mm)	360 - 800	360 - 800	360 - 800	360 - 800	360 - 800	360 - 800
Backrest Angle (degrees)	77	77	77	77	77	77
Kneebreak Angle (degrees)	40	40	40	40	40	40
Trendelenburg Angle (degrees)	16	16	16	16	16	16
Reverse Angle (degrees)	16	16	16	16	16	16
SWL (kg)	300	300	300	300	300	300
Overall Dimensions (mm)	2040 x 920	2040 x 1090	2040 x 1220	2040 x 1390	2040 x 1520	2040 x 1820
Sleeping Surface (mm)	2000 x 900	2000 x 1070	2000 x 1200	2000 x 1370	2000 x 1500	2000 x 1800
Mattress Size (mm)	1960 x 870	1960 x 1050	1960 x 1200	1960 x 1350	1960 x 1480	1960 x 1780
TGA Number	ARTG 192062					
Manufacturer	Active Medical, 104 Loughnan Street, Lake Cargelligo, NSW 2672					

ELECTRICAL DATA

U In	230V ~, 50Hz
I In	Max. 1.5A
U Out	24V ... , max. 70W
Op.	10%, Max. 2min./18min.
Protection Class	1Px4
Insulation Class	II Type B
Noise	48DBA

For indoor use (house)

Safety isolating transformer

Type B equipment, as per EN60601+1

Device Protection Class II

Product with a thermo fuse

Demko approval

RE-Tuv Approval

IMPORTANT

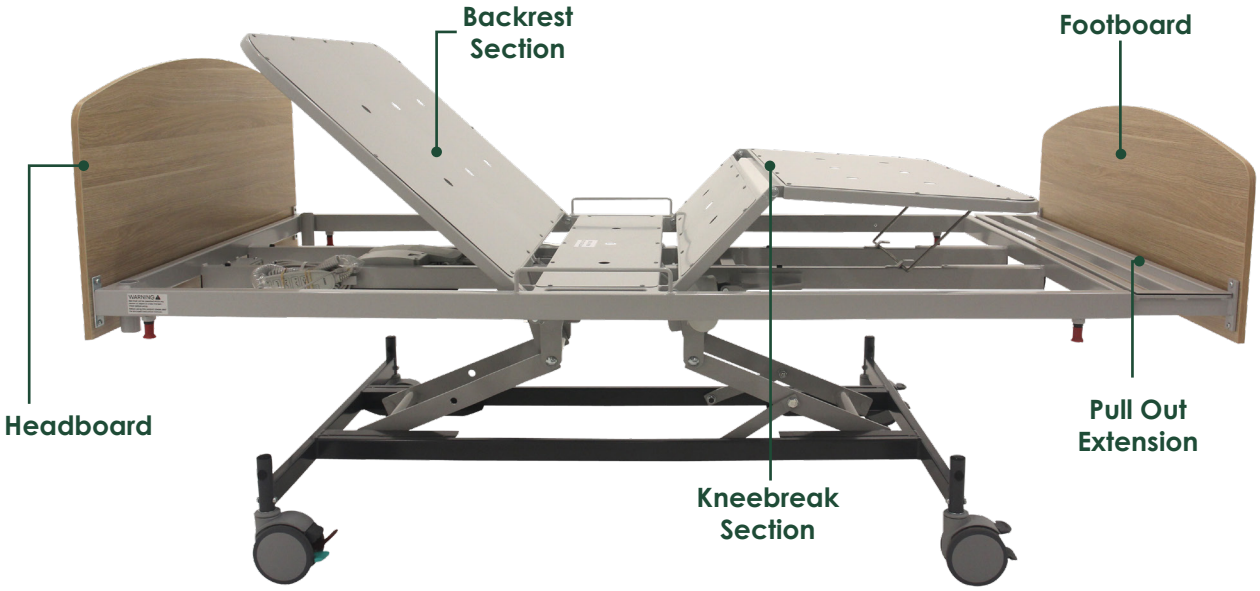
- Check electric cords regularly and notify an electrician or Active Medical on 1800 282 001 immediately. If any damage occurs, cease to use and remove mains power until checked and repaired.
- No wiring is to be modified without authorisation from the manufacturer.
- Ensure the small extension cable is correctly connected to the bed socket and to the 240 volt supply when the bed is in a stationary position. A small light on the control box will illuminate showing a power supply.
- Low Low model beds should be left in the lowest position when a nurse is not in attendance.
- Nurses, cleaners or anyone using Alrick Electric Beds must make sure that the main power cord is clear of any moving parts on the bed before turning the power on.
- Electric Beds should ONLY be used where earth leakage is fitted to the power source.
- When patient condition could lead to patient entrapment, the mattress support platform should be left in the flat position when unattended.

OPERATOR CONTROLS

OPERATOR CONTROLS:

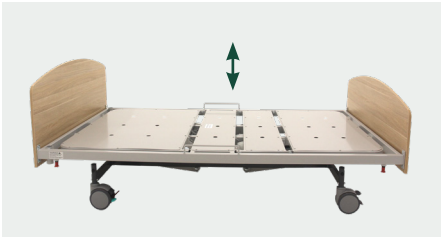
Electric Beds are controlled by a handset, which is plugged into the connection port. (Normally located below and at the edge of the mattress base towards the head end).

Handset Code: HB8X016-00



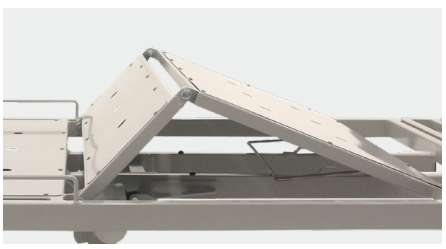
UPPER POSTURE, ELECTRIC BACKREST:

The top pair of push buttons control the electric upper posture as indicated on the handset.
Beware of potential pinch points when lowering backrest.



HI-LOW OPERATION:

The second pair of buttons on the handset control the smooth operation of raising & lowering the bed. When raising and lowering the bed, ensure that no person of part of his or her body is under the bed. Failure to do so could cause serious physical injury.



ELECTRIC KNEEBREAK:

The third pair of push buttons on the handset control the operation of the kneebreak. The calf section of the kneebreak is fitted with a prop. Lift the calf section and fold down the prop, engaging it in the channel provided at the foot end of the bed.
Beware of potential pinch points when lowering Kneebreak.

CHAIR POSITION:

The forth set of buttons operate the chair function. This raises the backrest and kneebreak, then goes into reverse Trendelenburg (feet down).
If fitted with optional Electric Vascular, these buttons operate the electric vascular function and the Auto Chair Position is not available.

ELECTRIC TRENDELENBURG:

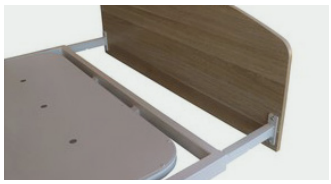
The last pair of push buttons on the handset control the operation of the tilt. Beware of potential pinch points when using the tilt function.

UNDER BED LIGHT:

The last button on the bottom left controls the under bed light.

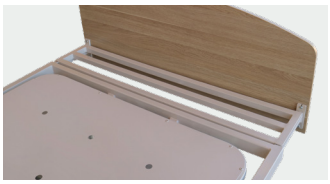
PULL OUT EXTENSION

STEP 1
Pull down red knobs.



STEP 2
Pull out foot board.

STEP 3
Lock in red knobs.



STEP 4
Insert metal infill.

OPTIONS & EXTRAS

HEAD AND FOOTBOARDS:

The standard head & footboard frames push in from end, allowing for rapid removal in an emergency.
WARNING: Please ensure the power cord is not in the way when fitting or removing end boards.

CPR:

The CPR is only for emergency use.
Pull red lever to allow backrest to go down manually.

BATTERY BACK UP:

This allows you to safely change the patients position during a power shortage.

CASTORS

STANDARD CASTORS:

Brakes should only be released when the bed is moved.
Red pedal castors: total brake.
Green pedal castors: directional.

CENTRAL LOCKING CASTORS:

Brakes should only be released when the bed is moved.
To brake: press lever down.
To direction: lift lever all the way up.
To free wheel: centralise lever.

SAFETY & WARNINGS

- Electric Beds should ONLY be used where earth leakage is fitted to the room or building.
- If any cords are cut or damaged the bed MUST not be used until checked, fixed and tagged.
- No patient, service personnel or any person must lie underneath an Alrick bed while power is turned on, if not obeyed this may result in serious bodily injury or death if the bed controls are actuated.
- Please check no person or object is under the bed before using.
- Hand control to only be given to fully competent patients.
- Never leave hand control unattended with bed switched on unless patient is fully competent.
- Fit optional nurse lockout for safety of incompetent patients.
- Only one person is to be on the bed at any time.

MAINTENANCE

- Beds should be inspected monthly for abnormal wear. For example, bolts loose or missing, castors, rubbers or brakes damaged.
- Rails must be inspected regularly for any wear or movement that may cause injury, do not use if unsure.
- If one or more of the bed functions is found not working correctly, notify the manufacturer for advice.

EVERY 6 MONTHS:

1. Check there is no visible damage to electrical system or mechanical parts.
2. Check wiring is secure and not interfering with bed movement.
3. If actuator shafts are not clean - wipe chromed shaft of actuators to remove lint, grease & dirt.
4. Extended actuators fully. (Do not wash as this removes fine layer of oil).
5. Correct operation of all bed functions including castor locking.
6. Check all accessories including rails are still functioning properly.
7. Check all pivot points on the bed for wear. Replace pivot pins or bolts and removable bushes (where fitted) if a pivot has a significant play.
8. Check all functions still run smoothly.

ANNUALLY:

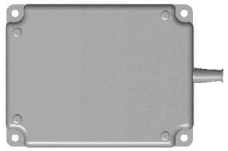
- Professional service of product to be carried out annually & documented in 'Record of Performed Service Procedures and Regular Service Maintenance in the back of this instruction manual.

CLEANING

- Cleaning can be done often - using domestic detergents.
- Do not use acids, alkaline or any other chemical solvents
- When cleaning actuators, disconnect from mains power before wiping down with a moist cloth.
- When cleaning, be careful of entrapment, as it could cause physical injury.

Control Box

CO715060-00-AU



BA1616121100

2300 Split partner bed

PJ2+19200S00000

Actuators

Channel 1
Back
Back Right

LA27-C652-00
or J13703

Channel 2
HiLo Head

400760-00

Channel 3
Leg
Thigh
Leg Right

LA27-C586-00

Channel 4
HiLo Leg

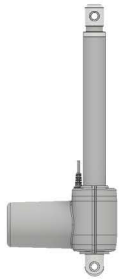
400760-00

2300 Split partner bed

Channel 5
Calf
Leg Left

LA27-C586-00

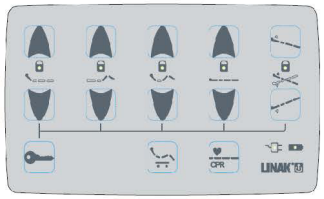
Channel 6
Back Left



LA27-C652-00
or J13703

Handsets

MJB5050117-00

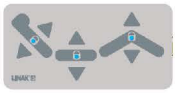


ACOMV0612001+110500

HB8X016-00

Option:
ACC610001+B0000

Option:
ACC610002+B0000



Option:
ACK0003S60C1800

Actuator Specs

CH2, CH4 HiLo: 400760-00
400401500A0M0G26+62DB132062000
Thrust: 8000N
Stroke/Install: 150mm/320mm
Options: Hall, High Performance

CH1, CH6 Back: LA27-C652-00
274100I2115004A
Thrust: 6000N
Stroke/Install: 150mm/339mm
Options: Mech Splines, SN

Leg: LA27-C586-00
274100I3110004A
Thrust: 6000N
Stroke/Install: 100mm/289mm
Options: SN

Option:
CH1, CH6 QR: J13703
400501500K000B26+31CB133042100
Thrust: 4000N
Stroke/Install: 150mm/330mm
Options: Quick Release

Cables & Accessories

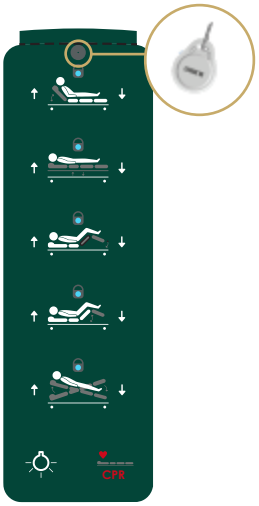
Qty	Item Number	Description
1	SML912363	Power Cable Flying Earth
2	0968000-1700	Minifit 6 Pin 1700mm CO to Actuator
2	0968000-1100	Minifit 6 Pin 1100mm CO to Actuator
1	0964461-0800	Modjack 800mm CO to MJB
1	0965069-0650	Modjack Ext 650mm Coil MJB to HB
1	1015W1001	Bracket CO/PJ2 to Frame
1	1019W7001-00185	Minifit 4 Pin 185mm CO to Battery
1	1015W1001	Bracket CO/PJ2 to Frame (PJ2 Option)
1	0968000-1700	Minifit 6 Pin 1700mm (PJ2 Option)
1	0968000-1100	Minifit 6 Pin 1100mm (PJ2 Option)
1	1019W7002-00180	Minifit 4 Pin 180mm CO to PJ2 (PJ2 Option)

Joint System Drawing	
LINAK Spec: BAU01249	System Name: 2300/4000 Multi Purpose System
LINAK Australia	Active Medical

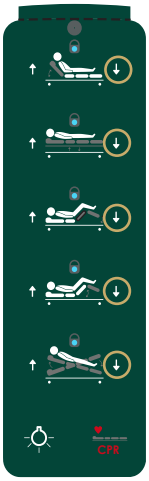
LOCKING AND UNLOCKING LOCK OUT FUNCTIONS (optional)

HB400 HANDSET:

1. Locate the fob over the top of the handset as shown.

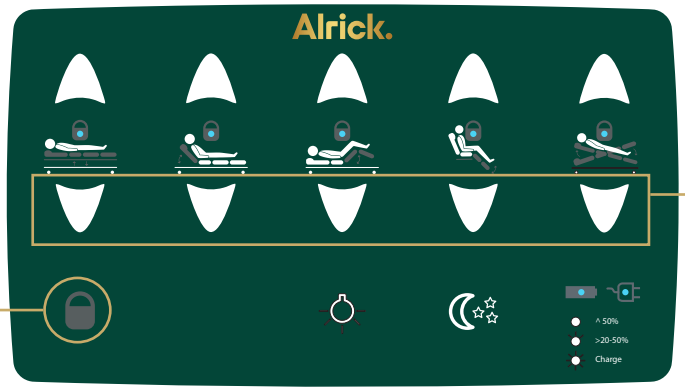


2. Then press the down key of the function to be locked out or unlocked. When locked, the LED function will be illuminated.



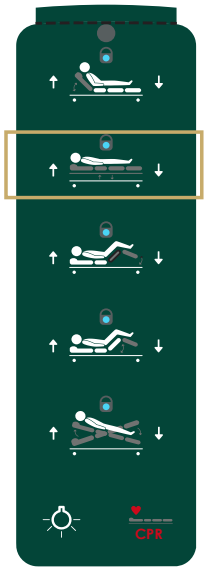
ACOM ATTENDANT CONTROL:

1. Press and hold the key button.



2. Then press the down key of the function to be locked or unlocked.

RESETTING THE BED FITTED WITH A CO71 LINAK CONTROL BOX:



Press both hi-low buttons (up and down) together

- **It will beep for 5 to 10 seconds**
  - don't let go of the buttons once beeping has stopped.
- **After another 10 seconds the bed will start to rise, it will go to the maximum height and return to the minimum height.**
  - through this process don't let go of the buttons
- **Once at the lowest position the back and knee function motor will retract right in, once this is complete, you will get a double beep.**
  - only let go of the buttons once you have heard these beeps

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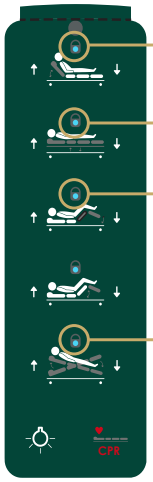
TROUBLESHOOTING

TROUBLESHOOTING WITH A HB400 HANDSET:



Lock LED flashing on backrest function - issue with either the backrest actuator or cable.

Lock LED flashing on hi-low function - issue with the head end hi-low actuator or cable.

Lock LED flashing on the kneebreak function - issue with the kneebreak actuator or cable.

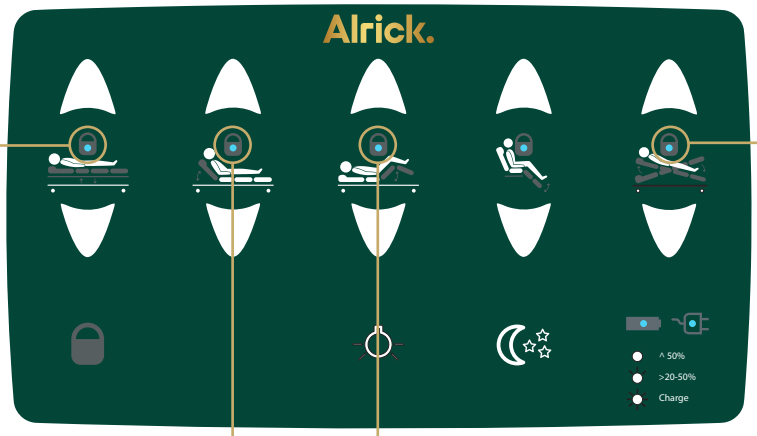
Lock LED flashing on tilt function - issue with either the foot end hi-low actuator or cable.

If all LED lights are flashing - issue with either handset or the cables connecting it to the control box.

TROUBLESHOOTING WITH ACOM ATTENDANT CONTROL:

If all LED lights are flashing - issue with either handset or the cables connecting it to the control box.

Lock LED flashing on hi-low function - issue with the head end hi-low actuator or cable.



Lock LED flashing on tilt function - issue with either the foot end hi-low actuator or cable.

Lock LED flashing on backrest function - issue with either the backrest actuator or cable.

Lock LED flashing on the kneebreak function - issue with the kneebreak actuator or cable.

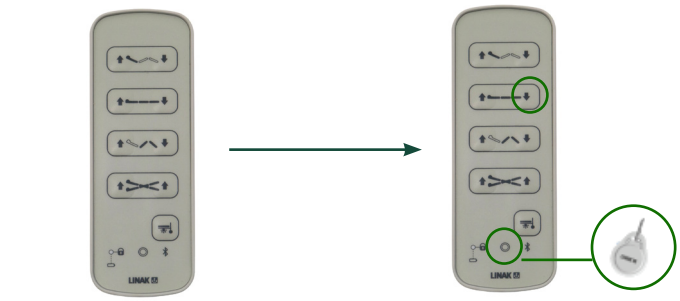
PAIRING BLUETOOTH DEVICES (optional)

DIRECT PAIRING

Direct Pairing is used for pairing a LINAK control directly to a LINAK control box that supports BLE.

1. Enter pairing mode
2. Move the hand control closer to the control box you want to pair it with
3. Pair the hand control with the control box

ENTER PAIRING MODE

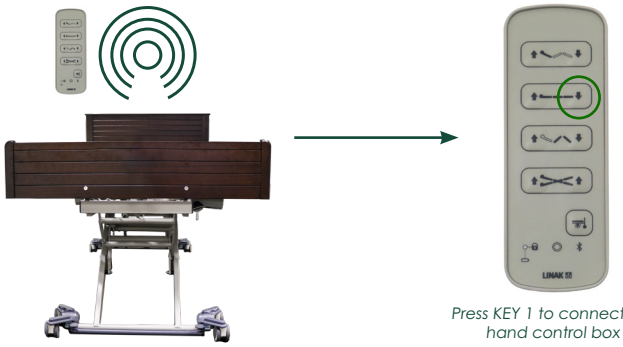


Place the magnet key over the **Hall Element** (O) and press **Hi-Lo Down Button** for 3 seconds to enter the pairing mode.

When in pairing mode, the control box buzzer will begin to beep, and the LED will begin to blink. The control unit LED will also begin to blink with the same frequency as the nearest control box.

In pairing mode, the light/sound frequency will increase when the HB200 gets closer to a control box.

CONNECTING TO THE CONTROL BOX



Press KEY 1 to connect the hand control box

When the hand control LED is blinking fast and the control box gives a high frequency sound in the same speed, the devices are ready for pairing. To finalise the pairing, press **Hi-Lo Down Button** on the hand control. Then, adjust your application with the handset.

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RECORD OF PERFORMED SERVICE PROCEDURES AND REGULAR SERVICE MAINTENANCE

Date	Purpose & Description	Performance

RECORD OF PERFORMED SERVICE PROCEDURES AND REGULAR SERVICE MAINTENANCE		
Date	Purpose & Description	Performance

I confirm that technical staff have undertaken the repairs as described in the Record of Performed Service Procedures and Repairs Maintenance, and the equipment is now functioning properly.

Date_____ Customer Signature _____

ALRICK 2300 TILT CARE BED WARRANTY

CONDITIONS
Your Alrick 2300 Tilt Bed is guaranteed for 10 years on the frame from the date of purchase, 5 years on the electrics (LINAK), 1 years on castors, and 1 year on the battery. Professional service of product to be carried out annually and documented in the 'Record of Performed Service Procedures and Regular Service Maintenance. This warranty applies only on the parts manufactured or approved by Active Medical.

EXCLUSIONS
This warranty does not extend to those items that may need replacement due to normal wear and tear, or to damage caused by misuse or accident, for which Active Medical or its distributors cannot be held responsible.

If your bed should need attention due to failure as defined under the warranty above, please contact the distributor from whom you purchased your bed.

Please fill in the below and retain for your own records.

Date Purchased	
Model	
Serial Number(s)	
Distributor	
Distributor Address	
Distributor Contact Number	

ACCESSORIES

Horizontal
400HR Deluxe Bed Rails
Warranty: 12 months

Clamp on Support Rail
Warranty: 12 months

Combo Grab Handle
Warranty: 12 months

Emergency Bed Power Unit
Warranty: 12 months

StandEzy Straight Handle
Warranty: 12 months

StandEzy Hook Handle
Warranty: 12 months

IV Pole
Warranty: 12 months

Foam Bolster
Warranty: 12 months

Self Help Pole
Warranty: 12 months

Bariatric Self Help Pole
Warranty: 12 months

T-Bar Buffer
Warranty: 12 months

Reading Lamp
Warranty: 12 months

Issue Date: 180225
Revison Date: 130826
V5

Alrick.

1800 282 001
hello@alrick.au
www.alrick.au